

**TERRAIN MULTI-PURPOSE MODEL, DEVICE 16F2/1****TRAINING CATEGORY:**

COMBINED OPERATIONS

ORIGINATING AGENCY:

MARCORPS

SECURITY CLASSIFICATION:

Device 16F2/1 is unclassified.

INTENDED USE:

The device is installed at Quantico, Virginia for amphibious assault training. Junior and Senior officers and command staff personnel utilize the terrain model for orientation and briefing for logistics and combat involved in marine amphibious assault operations.

FUNCTIONAL DESCRIPTION:

Device 16F2/1 is a terrain model capable of depicting portions of Lebanon-Syria-Israel, Stravenger, Norway Sakhalin Island and Vietnam. The unique rearrangement characteristics of this model allow for an unending number of additional terrain assemblies.

Portable features, both fluorescent and non-fluorescent, such as cities, rice paddies, shell craters, canals, rock outcrops, quarries, roads, villages, ruins, and dunes, fish ponds, salt evaporators, trenches, embankments, railroads, rocky deserts, airports, airport runways, lakes, rivers, swamps, sandy beaches, buildings, horton spheres, wells, refineries, storage tanks, forests, orchards, and others increase the overall rearrangement concept and realism.

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A table top model at a horizontal scale of 1:120,000 and a vertical exaggeration of 2:1, provides the instructor with the capability of predetermining his program. This model with its associated portable features both man-made and natural is identified with the large model, by alphabetic and numeric coding, in order to avoid critical loss of time when handling the large sections.

The large terrain model consisting of 87 sections was constructed to a horizontal scale of 1:7,500. The model has a vertical exaggeration of 2:1.

The highest point on the terrain model is 32 inches. This represents an elevation of 10,000 feet. Each full 6 foot by 6 foot block represents 7.4 nautical miles by 7.4 nautical miles. The complete or partial assembly of the terrain model can be accomplished using a systematic procedure. Each model section is identified with a numbering and lettering system which is correlated to a master grid system. The same system applies to the table top model. Model sections which are totally rearrangeable are identified by the same system with the addition of a red dot indicating common profiles.

The use of portable features, fluorescent and non-fluorescent, in various presentations on the model will greatly modify the overall display. These features were designed to be recognizable to trainees at a distance of fifty feet. The variety of portable features is indicative of items, man-made and natural, found in most parts of the earth. Islands positioned off the coastal areas in various locations and then rearranged will supply additional diversification to the overall tactical problem. The rearrangement capacity of the terrain model is almost unlimited. The different portrayals which can be obtained can be best illustrated by arranging and rearranging the table top model.

PHYSICAL INFORMATION:

Size: 48" x 66" maximum dimension of assembled model.

REFERENCE PUBLICATIONS (NOT SUPPLIED):

Maintenance Handbook for Amphibious Assault Trainer, Device 16F2, NAVTRADEV P-3281.

RELATED TRAINING DEVICES:

Device 16F2.

CONTRACT IDENTIFICATION:

Manufactured by Aero Service Corporation, Div. Litton Industries, Philadelphia, PA, under NAVTRASYS-SCEN Contract No. N61339-1828.

LOCAL STOCK NUMBER:

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